

## CLAIMS

1. Magnetite particles containing 0.1 to 1% by mass of phosphorus, having a coercive force of 10 to 25 kA/m in an applied magnetic field of 796 kA/m, and having  
5 an octahedral shape.
2. Magnetite particles according to claim 1, which have an average particle size of 0.05 to 0.3  $\mu\text{m}$ .